SPECIFICATIONS

Image device	1/3" interline transfer
Signal system	NTSC Standard
Picture element	NTSC:512(H)x492(v)
Sync. System	Intermal
Horizontal resolution	420TV lines
Minimum illumination	0.92lux(0.5 lux with IR),F 1.4
S/N ratio	Better than 48 dB
AE electronic iris mode	1/60~1/100,000 second
Auto iris lens	Video /DC Drive-Switch Selectable
Gamma	0.45
Back light compensation	ON-OFF
Video output signal	Composite:1 V p-p, 75Ωload
Lens mount	Accepts both C & CS Lenses
Operation temperature	-10°C~50°C(14°F~122°F)
Power supply	24 volts AC
Power consumption	4.2W(max),220mA
Dimensions	117mm(L)x57mm(W)x57mm(H)

Specifications are subject to chang without prior notice.

PROVIDEO by CSI/SPECO

CVC-860DN/24 Color Day/Night Camera

Instruction Manual

Before operating the unit, please read this manual thoroughly and retain it for future reference.

PROVIDEO
CSI/SPECO
200 NEW HIGHWAY
AMITYVILLE,NEW YORK 11701-1116
Tal:631-957-8700
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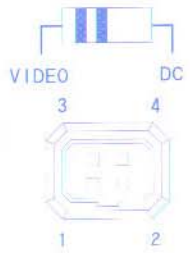
CE

INSTALLING LENS

1.Remove the lens cap from the front of the camera.
2.If using a "C" mount lens, this may be screwed directly into the camera.
3.If using a "CS" mount lens, have to remove a "C" mount lens ring adapter.
4.When using a fixed iris lens, switch the shutter control to AES ON.
5.When using a manual adjustable iris lens, switch the shutter control to AES OFF.
6.When using a Video Servo auto-Iris lens or DC servo auto-iris lens, switch the shutter control to AES OFF.

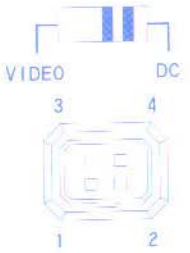
AUTO IRIS LENS CONNECTION

1.Video servo auto iris lens (with EE amp)
Set the lens selector to "Video"position.



PIN	DEFINITIONS	LENS CABLE LEADS
1.	DC+12V	RED
2.	VIDEO IRIS	WHITE
3.	NC	
4.	GROUND	BLACK

2.DC servo auto iris lens (without EE amp)
Set the lens selector to "DC"position.



PIN	DEFINITIONS
1.	DAMPING -
2.	DAMPING +
3.	DRIVING +
4.	DRIVING -

ⓘ *To ensure correct lead connection, please refer to the instruction of lens.*

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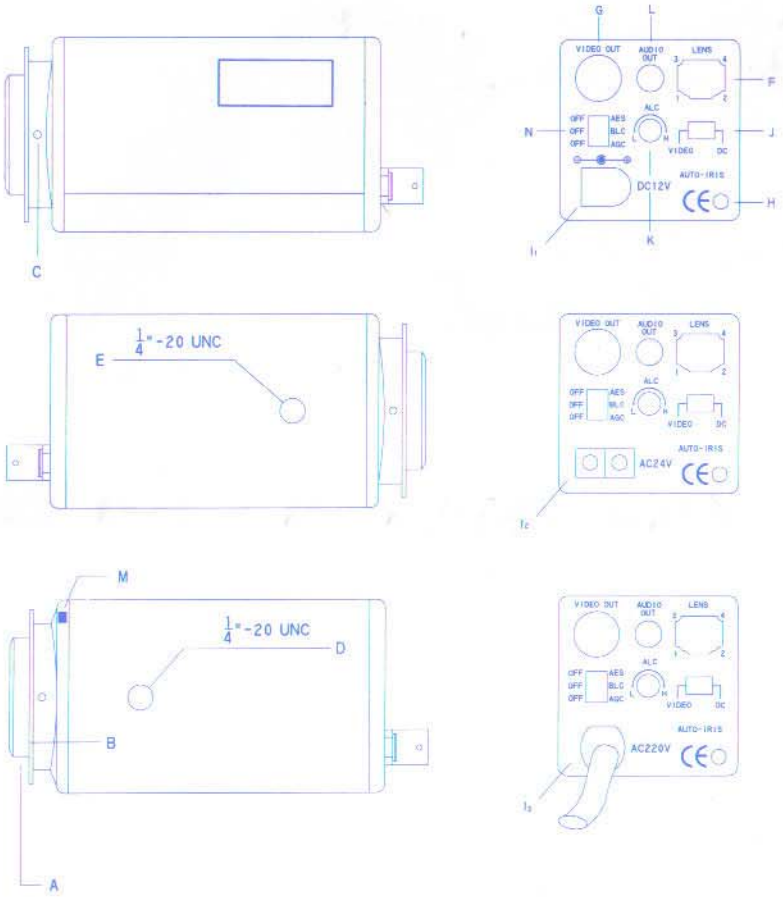
DESCRIPTION

The 1/3" color CCD video camera is designed for use in a monitoring system.

- High resolution and high sensitivity with 1/3" PANASONIC CCD sensor and IC.
- Electronic iris adjustment by automatic shutter speed control.
- AGC (Automatic Gain Control).
- Accepts C or CS mount lens.
- Low light,high sensitivity.
- Compact and light-weight.
- Low power consumption.
- Back light compensation.

PART NAMES



A. C mount lens ring adapter
   If a CS mount lens is used, remove the C mount lens ring adapter.
B. Flange back adjusting ring
   If back focus adjustment is required, loosen the flange back locking screw and then back focus can be adjusted by rotating the ring.
C. Flange back locking screw
D. Mounting bracket screw hole (1/4"-20 UNC)(Bottom)
E. Mounting bracket screw hole (1/4"-20 UNC)(Top)
F. Auto iris lens connector (Mini jack)
G. Video output terminal(BNC)
H. Power supply indicator
I. Power input terminal
   I_1 :DC+12V, $\overline{-}(\bullet\overset{+}{—}$, DON'T MIS-CONNECT DC12V
   I_2 :AC 24V
   I_3 :AC 110V,220V,240V,Please see indication on the label

J. Video/DC drive auto iris lens selector
K. For DC-DRIVE lens, DC level adjuster
L. Audio output terminal-for Audio type only (RCA Jack)
M. Micphone-for Audio type only
N. Function control DIP switch

Code	Function	
AES	Auto Electronic Shutter	ON-OFF
BLC	Back Light Compensation	ON-OFF
AGC	Auto Gain Control	ON-OFF

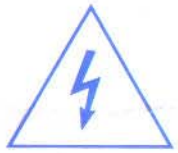
WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

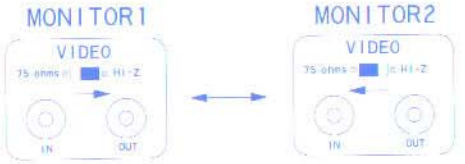
This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause harmful interference with radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

The user's manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CONNECTIONS

1. Keep the camera's power "OFF" during installation.
2. Ensure the input voltage is correct for the plug pack you have or else both the camera and the plug pack may be damaged.
3. Terminate the camera output to 75 ohms.
   Use 75 ohm coaxial cable (RG-59/U, RG-6/U,RG-11/U). Always set the last monitor termination switch to 75 ohms, and set the termination switches of intermediate monitors to HIGH (HI-Z).



in"HI-Z" 75 ohm

4. Maximum recommended cable length is shown in Table-1.

Table-1.

Type of coaxial Cable	RG-59U (3C-1V)	RG-6U (5C-2V)	RG-11U (7C-2V)
Recommended maximum cable length	1000 feet	1500 feet	2000 feet

TROUBLESHOOTING

Problem	Where to check
· No picture on the monitor	Is the system power on? Is the cable connected properly? Has the lens cap been removed? Is the illumination proper? Is the monitor properly adjusted?
· A picture is not clear	Is the lens mount ring proper? Is the lens clear? Is the lens properly focused? Is the monitor terminated properly?

Notes: If dust adheres to the lens, the picture quality will be adversely affected. Wipe the lens lightly with a soft cloth or commercially available lens cleaning paper.